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(54) PRODUCTION OF POLYESTER HAVING EXCELLENT LIGHT RESISTANCE

(57)Abstract:

PURPOSE: To obtain a colorless polyester having excellent light-resistance by carrying out polycondensation reaction of a bifunctional carboxylic acid (ester) composed mainly of terephthalic acid with a glycol composed mainly of butanediol and adding phosphoric acid after the completion of the reaction.

CONSTITUTION: The objective polyester is produced by reacting (A) a bifunctional carboxylic acid (lower alkyl ester) composed mainly of terephthalic acid with (B) a glycol composed mainly of 1,4-butanediol in the presence of (C) a titanium-based catalyst, subjecting the obtained polyester precursor to polycondensation reaction under reduced pressure and, immediately after the completion of the reaction, adding phosphoric acid to the reactional system.

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